

TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING  
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

nucleotide and/or amino acid sequence disclosure contained in this application does  
comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 -  
1.825 for the following reason(s):

1. This application clearly fails to comply with the requirements of 37 CFR 1.821-  
1.825. Applicant's attention is directed to these regulations, published at 114 OG  
29, May 15, 1990 and at 55 FR 18230, May 1, 1990.

☐ 2. This application does not contain, as a separate part of the disclosure on  
paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).

☐ 3. A copy of the "Sequence Listing" in computer readable form has not been  
submitted as required by 37 CFR 1.821(e).

☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted.  
However, the content of the computer readable form does not comply with the  
requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the  
marked-up "Raw Sequence Listing."

☐ 5. The computer readable form that has been filed with this application has been  
found to be damaged and/or unreadable as indicated on the attached CRF Diskette  
Problem Report. A substitute computer readable form must be submitted as required  
by 37 CFR 1.825(d).

☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer  
readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).

☐ 7. Other: \_\_\_\_\_

**Applicant must provide:**

☒ An ~~initial~~ or substitute computer readable form (CRF) copy of the "Sequence  
Listing"

☒ An ~~initial~~ or substitute paper copy of the "Sequence Listing", as well as an  
amendment directing its entry into the specification

☒ A statement that the content of the paper and computer readable copies are the same  
and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or  
1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

For questions regarding compliance with these requirements, please contact

For Rules Interpretation, call (703) 308-1123

For CRF submission help, call (703) 308-4212

For PatentIn software help, call (703) 557-0400

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